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DATE: Monday, July 24, 2006

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<input type="checkbox"/>	L3	L2 with apha	5
<input type="checkbox"/>	L2	L1 with usha	8
<input type="checkbox"/>	L1	(escherichia or coli)with (nucleotid\$2 or nucleosid\$2)	7917

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### Search Results - Record(s) 1 through 5 of 5 returned.

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1. Document ID: US 20040152171 A1

L3: Entry 1 of 5

File: PGPB

Aug 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040152171

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040152171 A1

TITLE: Method for producing nucleotide by fermentation

PUBLICATION-DATE: August 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kakehi, Masahiro	Kawasaki-shi		JP
Usuda, Yoshihiro	Kawasaki-shi		JP
Tabira, Yukiko	Kawasaki-shi		JP
Sugimoto, Shinichi	Kawasaki-shi		JP

US-CL-CURRENT: 435/89; 435/252.33

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#)

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2. Document ID: US 20020098494 A1

L3: Entry 2 of 5

File: PGPB

Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020098494

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020098494 A1

TITLE: Method for producing nucleotide by fermentation

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kakehi, Masahiro	Kawasaki-shi		JP
Usuda, Yoshihiro	Kawasaki-shi		JP
Tabira, Yukiko	Kawasaki-shi		JP
Sugimoto, Shinichi	Kawasaki-shi		JP

US-CL-CURRENT: 435/6; 435/252.33, 435/89

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Draw](#) | [De](#)

3. Document ID: JP 2002355087 A

L3: Entry 3 of 5

File: JPAB

Dec 10, 2002

PUB-NO: JP02002355087A

DOCUMENT-IDENTIFIER: JP 2002355087 A

TITLE: METHOD FOR PRODUCING NUCLEOTIDE BY FERMENTATION METHOD

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Draw](#) | [De](#)

4. Document ID: EP 1170370 A2

L3: Entry 4 of 5

File: EPAB

Jan 9, 2002

PUB-NO: EP001170370A2

DOCUMENT-IDENTIFIER: EP 1170370 A2

TITLE: Method for producing nucleotide by fermentation

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Draw](#) | [De](#)

5. Document ID: US 20040152171 A1, EP 1170370 A2, BR 200102671 A, CN 1335403 A, KR 2002004870 A, US 20020098494 A1, JP 2002355087 A

L3: Entry 5 of 5

File: DWPI

Aug 5, 2004

DERWENT-ACC-NO: 2002-173089

DERWENT-WEEK: 200452

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TITLE: Producing nucleoside 5'-phosphate ester e.g. inosine monophosphate by direct fermentation using bacterium belonging to genus Escherichia in which UDP-sugar hydrolase and acid phosphatase genes do not function normally

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Documents

L2 with apha

5

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NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
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USPATFULL/USPAT2  
NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/CAplus  
NEWS 10 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC  
NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields  
NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
NEWS 13 JUL 11 CHEMSAFE reloaded and enhanced  
NEWS 14 JUL 14 FSTA enhanced with Japanese patents  
NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

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=> s (escherichia or coli) (5a) (nucleotid? or nucleosid?)

L1 18301 (ESCHERICHIA OR COLI) (5A) (NUCLEOTID? OR NUCLEOSID?)

=> s l1 (5a) usha

L2 4 L1 (5A) USHA

=> s l2 and apha

L3 2 L2 AND APHA

=> dup rem l3

PROCESSING COMPLETED FOR L3

L4 2 DUP REM L3 (0 DUPLICATES REMOVED)

=> d 1,2

L4 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:31102 HCAPLUS <<LOGINID::20060724>>

DN 136:97246

TI Method for producing nucleoside 5'-phosphate ester by fermentation in strain with ushA and \*\*\*aphA\*\*\* gene mutation or disruption

IN Kakehi, Masahiro; Usuda, Yoshihiro; Tabira, Yukiko; Sugimoto, Shinichi

PA Ajinomoto Co., Inc., Japan

SO Eur. Pat. Appl., 17 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1170370	A2	20020109	EP 2001-114571	20010618
	EP 1170370	A3	20030305		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002355087	A2	20021210	JP 2001-181573	20010615
	US 2002098494	A1	20020725	US 2001-891287	20010627
	BR 2001002671	A	20020305	BR 2001-2671	20010704
	CN 1335403	A	20020213	CN 2001-121740	20010705
	US 2004152171	A1	20040805	US 2004-798339	20040312
PRAI	JP 2000-204260	A	20000705		
	US 2001-891287	B3	20010627		

L4 ANSWER 2 OF 2 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN

AN 2000:387548 BIOSIS <<LOGINID::20060724>>

DN PREV200000387548

TI Essential role of the \*\*\*AphA\*\*\* periplasmic acid phosphatase in

utilization of 5'- \*\*\*nucleotides\*\*\* by \*\*\*Escherichia\*\*\*  
\*\*\*coli\*\*\* purEK \*\*\*ushA\*\*\* phoA mutants.  
AU Laird, M. W. [Reprint author]; Passariello, C.; Joly, J. C. [Reprint  
author]; Schippa, S.; Rossolini, G. M.; Thaller, M. C.  
CS Department of Cell Culture and Fermentation, R and D Genentech, Inc., San  
Francisco, CA, USA  
SO Abstracts of the General Meeting of the American Society for Microbiology,  
(2000) Vol. 100, pp. 435-436. print.  
Meeting Info.: 100th General Meeting of the American Society for  
Microbiology. Los Angeles, California, USA. May 21-25, 2000. American  
Society for Microbiology.  
ISSN: 1060-2011.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LA English  
ED Entered STN: 13 Sep 2000  
Last Updated on STN: 8 Jan 2002

=> s 12 not 13  
L5 2 L2 NOT L3

=> dup rem 15  
PROCESSING COMPLETED FOR L5  
L6 2 DUP REM L5 (0 DUPLICATES REMOVED)

=> d 1,2

L6 ANSWER 1 OF 2 HCPLUS COPYRIGHT 2006 ACS on STN  
AN 2003:419351 HCPLUS <<LOGINID::20060724>>  
DN 139:334665  
TI Cobalt activation of Escherichia coli 5'-nucleotidase is due to zinc ion  
displacement at only one of two metal-ion-binding sites  
AU McMillen, Lyle; Beacham, Ifor R.; Burns, Dennis M.  
CS Faculty of Science, School of Biomolecular and Biomedical Science,  
Griffith University, Queensland, 4111, Australia  
SO Biochemical Journal (2003), 372(2), 625-630  
CODEN: BIJOAK; ISSN: 0264-6021  
PB Portland Press Ltd.  
DT Journal  
LA English  
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 2 HCPLUS COPYRIGHT 2006 ACS on STN  
AN 1986:473474 HCPLUS <<LOGINID::20060724>>  
DN 105:73474  
TI Nucleotide sequence and transcriptional analysis of the E. coli ushA gene,  
encoding periplasmic UDP-sugar hydrolase (5'-nucleotidase): regulation of  
the ushA gene, and the signal sequence of its encoded protein product  
AU Burns, Dennis M.; Beacham, Ifor R.  
CS Sch. Sci., Griffith Univ., Brisbane, 4111, Australia  
SO Nucleic Acids Research (1986), 14(10), 4325-42  
CODEN: NARHAD; ISSN: 0305-1048  
DT Journal  
LA English

=> dis his

(FILE 'HOME' ENTERED AT 19:17:02 ON 24 JUL 2006)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCPLUS,  
NTIS, ESBIOSBASE, BIOTECHNO, WPIDS' ENTERED AT 19:17:08 ON 24 JUL 2006  
L1 18301 S (ESCHERICHIA OR COLI) (5A) (NUCLEOTID? OR NUCLEOSID?)  
L2 4 S L1 (5A) USHA  
L3 2 S L2 AND APHA  
L4 2 DUP REM L3 (0 DUPLICATES REMOVED)  
L5 2 S L2 NOT L3  
L6 2 DUP REM L5 (0 DUPLICATES REMOVED)

=> log h  
COST IN U.S. DOLLARS SINCE FILE TOTAL

FULL ESTIMATED COST

ENTRY	SESSION
23.56	23.77

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